LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Title : SW846 8260

Signal : TIC: VD071396.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.038	177	190	220	rBV	29769719	65746126	15.86%	1.051%
2	4.144	363	378	402	rBV	3563670	11896736	2.87%	0.190%
3	4.956	499	516	520	rBV	18463206	63795738	15.39%	1.020%
4	5.020	521	527	566	rVB	32698273	111859490	26.98%	1.788%
5	5.497	591	608	641	rBV	33073950	111044211	26.79%	1.775%
6	5.997	680	693	711	rVV	2655837	7980280	1.92%	0.128%
7	6.773	812	825	838	rBV4	3189078	10950698	2.64%	0.175%
8	6.932	839	852	862	rVV2	42608160	131770542	31.78%	2.107%
9	7.032	862	869	890	rVV	19094396	54880681	13.24%	0.877%
10	7.738	981	989	999	rVB	4285420	11854017	2.86%	0.190%
11	7.967	1018	1028	1037	rVV3	47744922	122878241	29.64%	1.965%
12	8.079	1037	1047	1057	rVB3	82140273	229236222	55.29%	3.665%
13	8.197	1057	1067	1075	rBV2	70310649	165163758	39.84%	2.641%
14	8.538	1103	1125	1133	rBV9	93594428	414573334	100.00%	6.628%
15	8.608	1133	1137	1146	rVB	17612476	36313874	8.76%	0.581%
16	8.720	1146	1156	1170	rVB2	5885140	16113589	3.89%	0.258%
17	8.861	1170	1180	1192	rBV2	12125994	36936355	8.91%	0.591%
18	9.355	1248	1264	1270	rBV	85413249	234115779	56.47%	3.743%
19	9.414	1270	1274	1281	rVB	58376728	109192211	26.34%	1.746%
20	9.491	1281	1287	1291	rBV	12223837	23835624	5.75%	0.381%
21	9.538	1291	1295	1301	rVB	14639677	25827348	6.23%	0.413%
22	9.626	1301	1310	1318	rVB3	13949583	36925985	8.91%	0.590%
23	9.785	1328	1337	1347	rBV4	85497734	209675510	50.58%	3.352%
24	9.920	1347	1360	1366	rBV6	104086842	265230064	63.98%	4.240%
25	9.979	1366	1370	1373	rVV	24023293	43760836	10.56%	0.700%
26	10.014	1373	1376	1384	rVB2	35207129	60607267	14.62%	0.969%
27	10.120	1384	1394	1406	rBV3	67314261	184554140	44.52%	2.951%
28	10.273	1413	1420	1426	rVB2	56619682	108682258	26.22%	1.738%
29	10.338	1426	1431	1436	rBV	28988496	56633179	13.66%	0.905%
30	10.461	1443	1452	1455	rBV3	13248310	29471288	7.11%	0.471%
31	10.520	1455	1462	1469	rVB5	21672865	58327506	14.07%	0.933%
32	10.679	1484	1489	1497	rBV3	9124948	20072309	4.84%	0.321%
33	10.779	1497	1506	1515	rBV6	26610510	74060038	17.86%	1.184%
34	10.861	1515	1520	1526	rVB	19485907	33722176	8.13%	0.539%
35	10.949	1526	1535	1541	rBV	19222229	39260555	9.47%	0.628%
36	11.014	1541	1546	1547	rBV	5672058	8336303	2.01%	0.133%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Title : SW846 8260

37	11.055	1547	1553	1560	rVB	27348347	54476874	13.14%	0.871%
38	11.120	1560	1564	1567	rBV3	6732318	9901941	2.39%	0.158%
39	11.155	1567	1570	1573	rVV2	4899609	7301790	1.76%	0.117%
40	11.191	1573	1576	1580	rVB	9334965	12753734	3.08%	0.204%
41	11.243	1580	1585	1590	rBV	12033315	19853211	4.79%	0.317%
42	11.296	1590	1594	1598	rVB3	6420669	10582272	2.55%	0.169%
43	11.355	1598	1604	1607	rBV	16229609	26440164	6.38%	0.423%
44	11.426	1607	1616	1627	rVB3	59691077	158774441	38.30%	2.538%
45	11.526	1627	1633	1643	rBV2	51749629	100671005	24.28%	1.610%
46	11.620	1643	1649	1657	rBV2	16293645	39338289	9.49%	0.629%
47	11.708	1657	1664	1669	rBV	17143490	34962099	8.43%	0.559%
48	11.826	1679	1684	1687	rBV5	6841007	12912974	3.11%	0.206%
49	11.885	1687	1694	1699	rVB4	19801263	35834994	8.64%	0.573%
50	11.926	1699	1701	1706	rVB2	9486633	12977963	3.13%	0.207%
51	12.043	1713	1721	1722	rBV4	4393164	9037724	2.18%	0.144%
52	12.079	1722	1727	1732	rVB2	13486472	21532480	5.19%	0.344%
53	12.149	1733	1739	1745	rBV3	23988636	45735816	11.03%	0.731%
54	12.267	1752	1759	1763	rVB	23596565	42315762	10.21%	0.677%
55	12.343	1763	1772	1776	rBV4	16807619	39468551	9.52%	0.631%
56	12.526	1794	1803	1805	rBV6	18100732	46115289	11.12%	0.737%
57	12.555	1805	1808	1810	rBV	10330466	12553466	3.03%	0.201%
58	12.585	1810	1813	1814	rBV	15090060	15008756	3.62%	0.240%
59	12.667	1823	1827	1831	rVB	29736070	39180663	9.45%	0.626%
60	12.714	1831	1835	1840	rVB4	10861989	19299004	4.66%	0.309%
61	12.773	1840	1845	1856	rVB5	17841025	61564968	14.85%	0.984%
62	12.873	1856	1862	1866	rBV5	4242139	10368168	2.50%	0.166%
63	12.943	1867	1874	1883	rBV5	29844470	81439769	19.64%	1.302%
64	13.096	1895	1900	1904	rBV2	12517659	28977996	6.99%	0.463%
65	13.143	1905	1908	1911	rVV	8279296	10364343	2.50%	0.166%
66	13.179	1911	1914	1917	rBV2	17574726	24127875	5.82%	0.386%
67	13.308	1931	1936	1941	rBV	17136873	26455866	6.38%	0.423%
68	13.390	1941	1950	1953	rBV5	19540131	59220394	14.28%	0.947%
69	13.426	1953	1956	1959	rVV	19758706	32794818	7.91%	0.524%
70	13.461	1959	1962	1965	rVV4	16433912	25885085	6.24%	0.414%
71	13.502	1965	1969	1972	rVV2	29769354	46435787	11.20%	0.742%
72	13.537	1972	1975	1977	rVV	23735969	32226578	7.77%	0.515%
73	13.567	1977	1980	1984	rVV	29652972	41077105	9.91%	0.657%
74	13.637	1984	1992	1999	rVB3	39839502	96447292	23.26%	1.542%
75	13.732	2000	2008	2011	rBV	56346613	101877530	24.57%	1.629%
76	13.767	2011	2014	2018	rVV3	36767442	61673605	14.88%	0.986%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Title : SW846 8260

77	13.814	2018	2022	2030	rVB3	49655262	100357311	24.21%	1.604%
78	13.890	2030	2035	2039	rBV2	36362490	59336372	14.31%	0.949%
79	13.961	2044	2047	2051	rVB	8550958	11371015	2.74%	0.182%
80	14.032	2053	2059	2066	rVB2	26788222	66710227	16.09%	1.067%
81	14.108	2066	2072	2078	rBV4	101323054	189375884	45.68%	3.028%
82	14.220	2085	2091	2097	rVB3	66354891	122560880	29.56%	1.959%
83	14.296	2097	2104	2110	rBV4	18545431	46007121	11.10%	0.736%
84	14.367	2110	2116	2118	rBV4	13177300	25460060	6.14%	0.407%
85	14.432	2118	2127	2136	rVB5	70778425	187227971	45.16%	2.993%
86	14.514	2136	2141	2145	rBV	48197301	75208217	18.14%	1.202%
87	14.614	2154	2158	2161	rBV	8260681	11385517	2.75%	0.182%
88	14.655	2161	2165	2168	rVB	11193676	13486299	3.25%	0.216%
89	14.702	2168	2173	2178	rBV3	47994136	92024258	22.20%	1.471%
90	14.814	2185	2192	2198	rBV5	65237605	164699389	39.73%	2.633%
91	14.867	2198	2201	2208	rVB2	27562224	49438744	11.93%	0.790%
92	14.973	2216	2219	2225	rVB2	7687506	13027031	3.14%	0.208%
93	15.079	2226	2237	2242	rVV2	36785121	88355396	21.31%	1.413%
94	15.120	2242	2244	2250	rVV	13129056	20574917	4.96%	0.329%
95	15.196	2250	2257	2264	rVB3	26063079	61129063	14.75%	0.977%
96	15.349	2277	2283	2287	rBV4	8030625	15637318	3.77%	0.250%
97	15.490	2302	2307	2312	rBV	8113437	14527175	3.50%	0.232%
98	15.684	2332	2340	2346	rBV	7805532	17096982	4.12%	0.273%
99	15.855	2361	2369	2372	rBV2	3530553	8449806	2.04%	0.135%
100	16.679	2501	2509	2523	rVB	3221317	8098679	1.95%	0.129%

Sum of corrected areas: 6254796341

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
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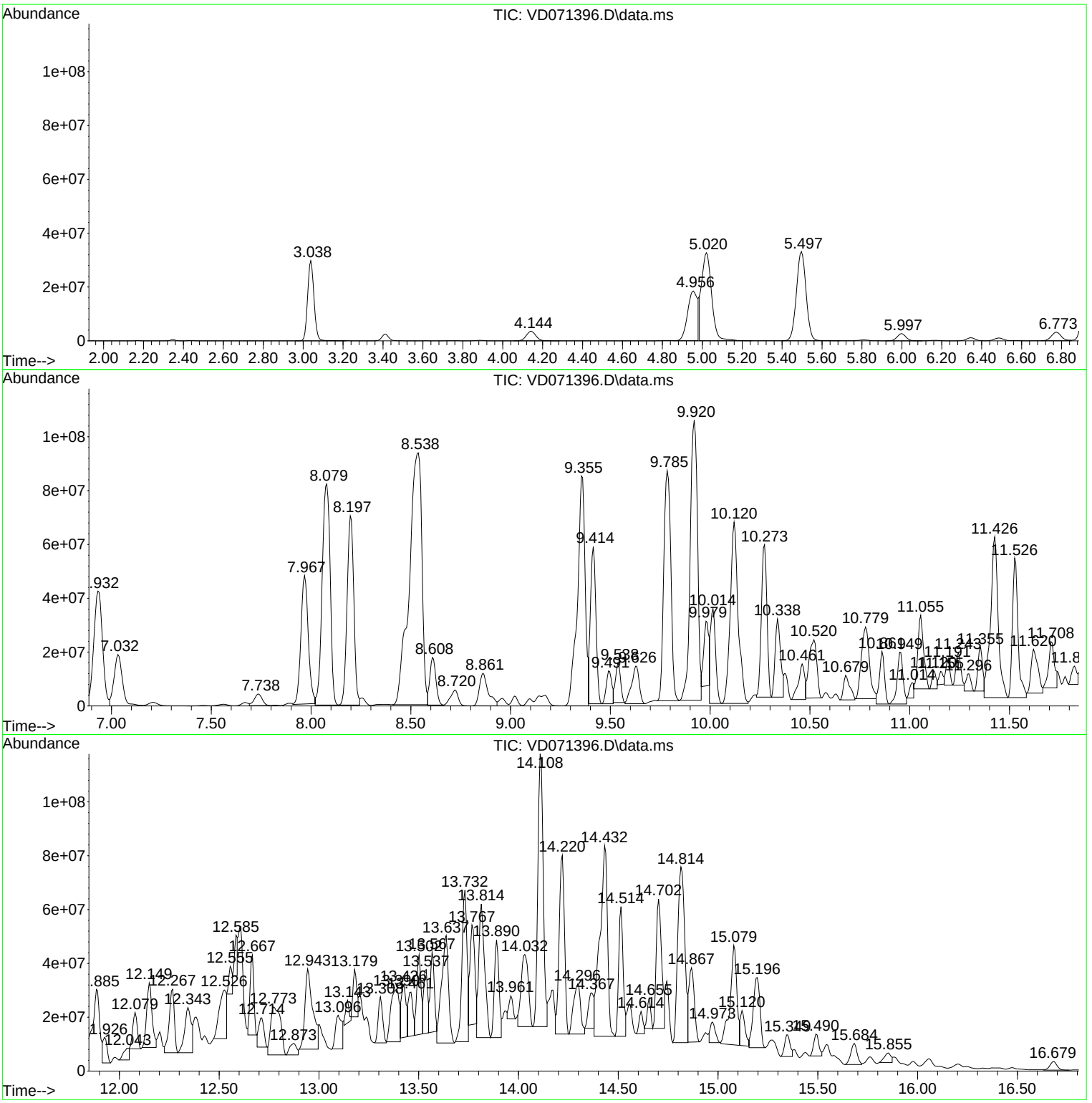
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

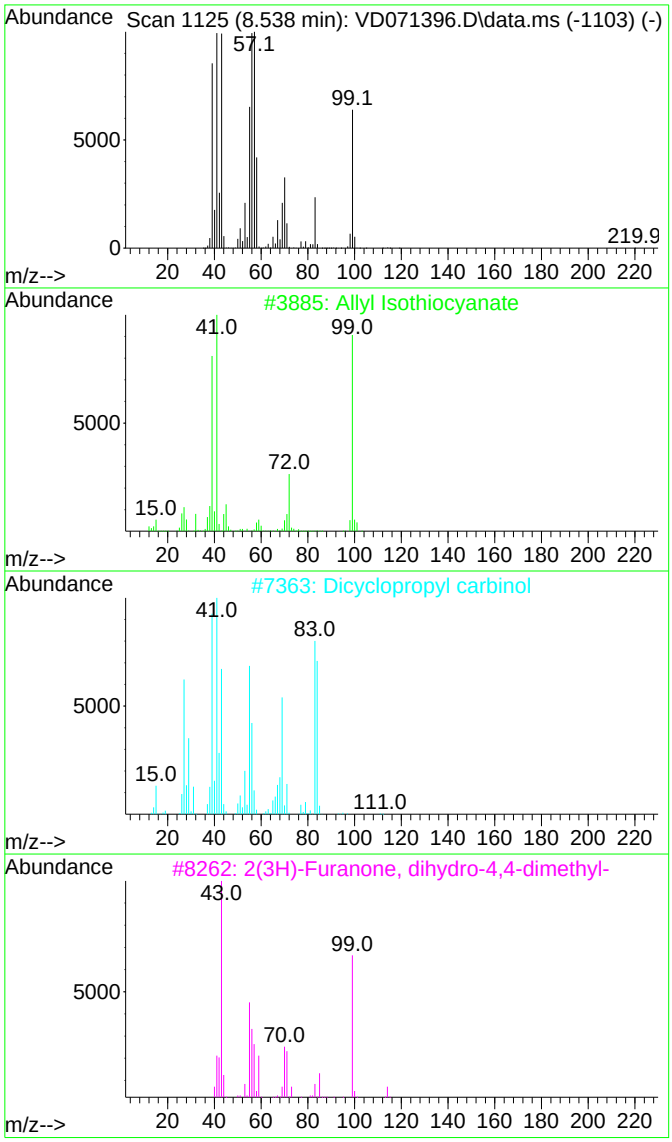
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

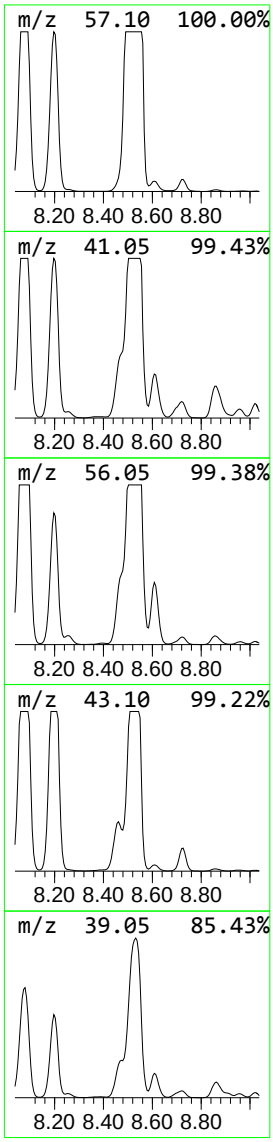
****

Peak Number 1 unknown8.538 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.538	561.20 ug/l	414573000	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allyl Isothiocyanate	99	C4H5NS	000057-06-7	47
2	Dicyclopropyl carbinol	112	C7H12O	014300-33-5	40
3	2(3H)-Furanone, dihydro-4,4-dime...	114	C6H10O2	013861-97-7	25
4	Acetamide, N-ethenyl-N-methyl-	99	C5H9NO	003195-78-6	18
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

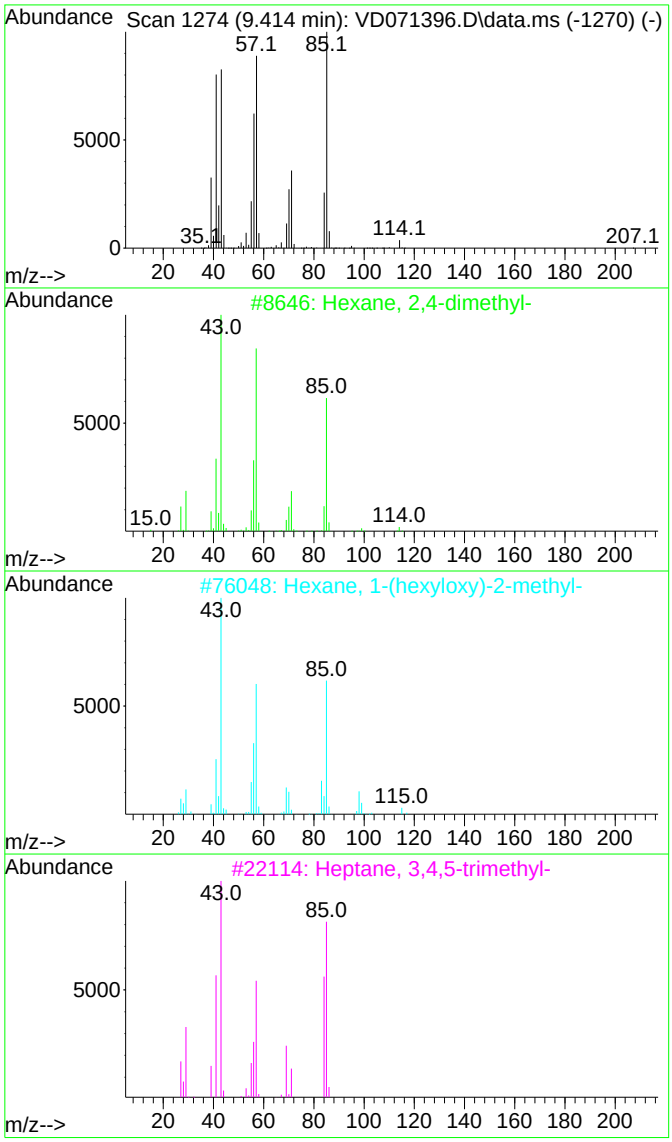
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

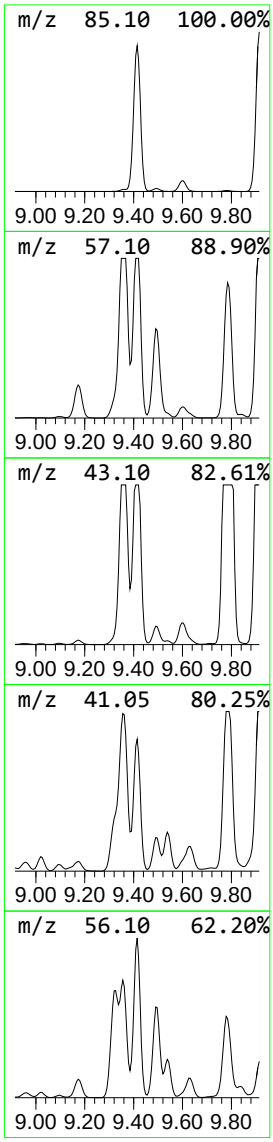
****

Peak Number 2 Hexane, 2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.414	147.81 ug/l	109192000	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	90
2	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	53
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	53
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50
5	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	50





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Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

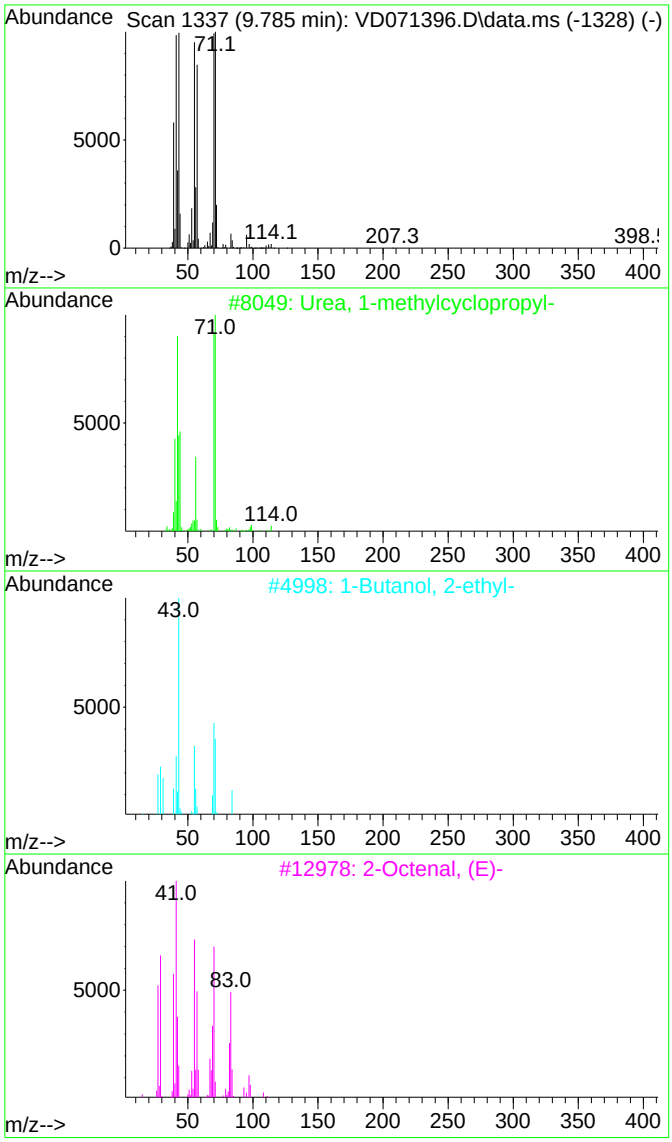
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

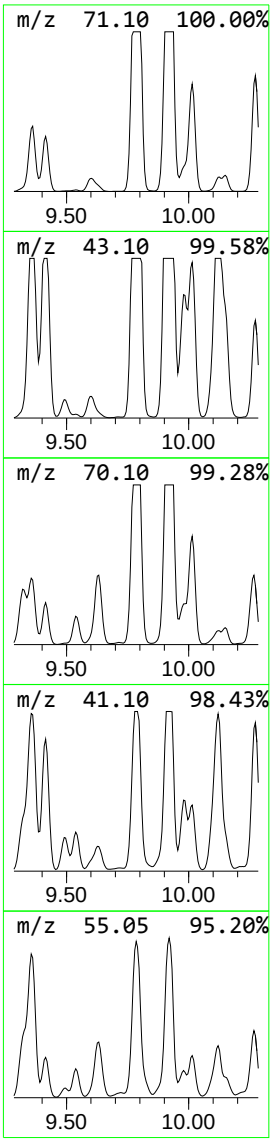
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Urea, 1-methylcyclopropyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.785	283.83 ug/l	209676000	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Urea, 1-methylcyclopropyl-	114	C5H10N2O	058102-14-0	50
2	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	45
3	2-Octenal, (E)-	126	C8H14O	002548-87-0	43
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	40
5	Oxetane, 2-(1,1-dimethylethyl)-3...	128	C8H16O	007045-82-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

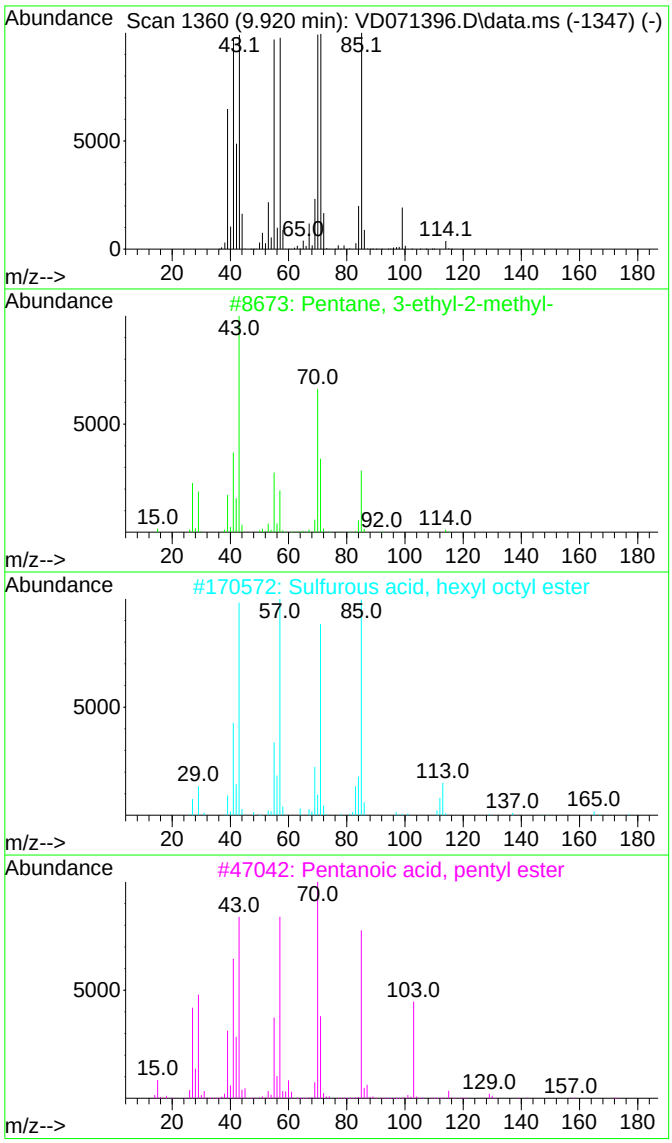
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

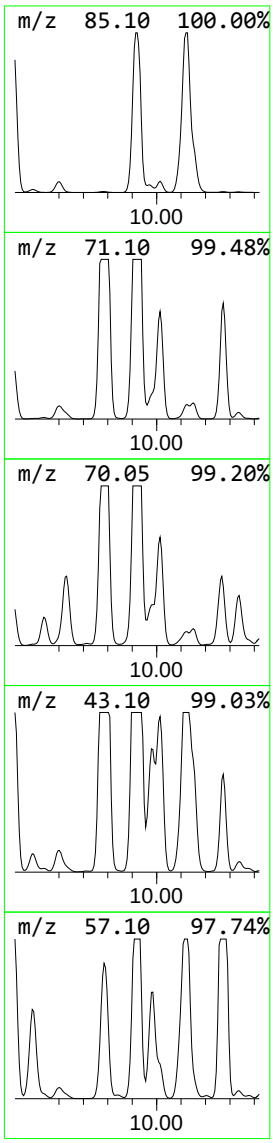
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentane, 3-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.920	359.04 ug/l	265230000	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	58
2	Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	47
3	Pentanoic acid, pentyl ester	172	C10H20O2	002173-56-0	43
4	Butanoic acid, 2-methyl-, 2-meth...	172	C10H20O2	002445-78-5	43
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

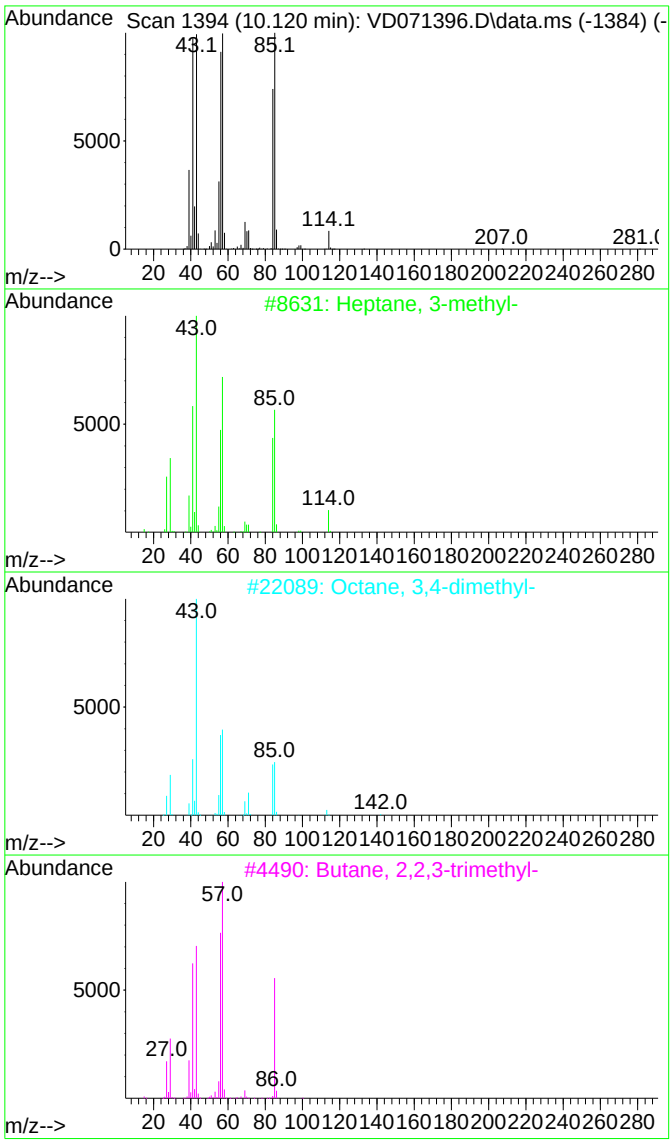
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

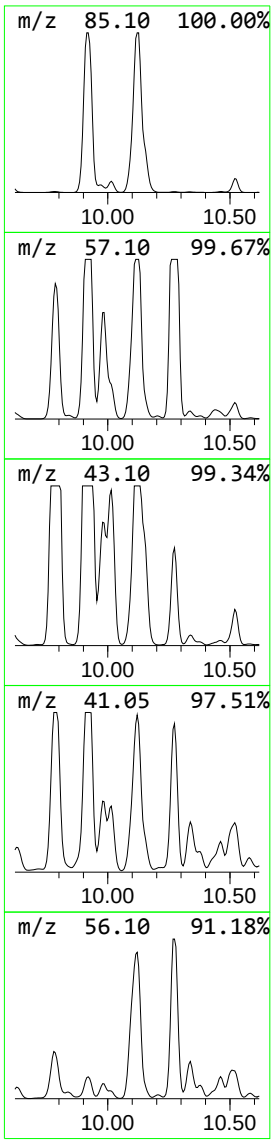
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Heptane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.120	249.83 ug/l	184554000	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	72
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50
5	Pentanoic acid, butyl ester	158	C9H18O2	000591-68-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

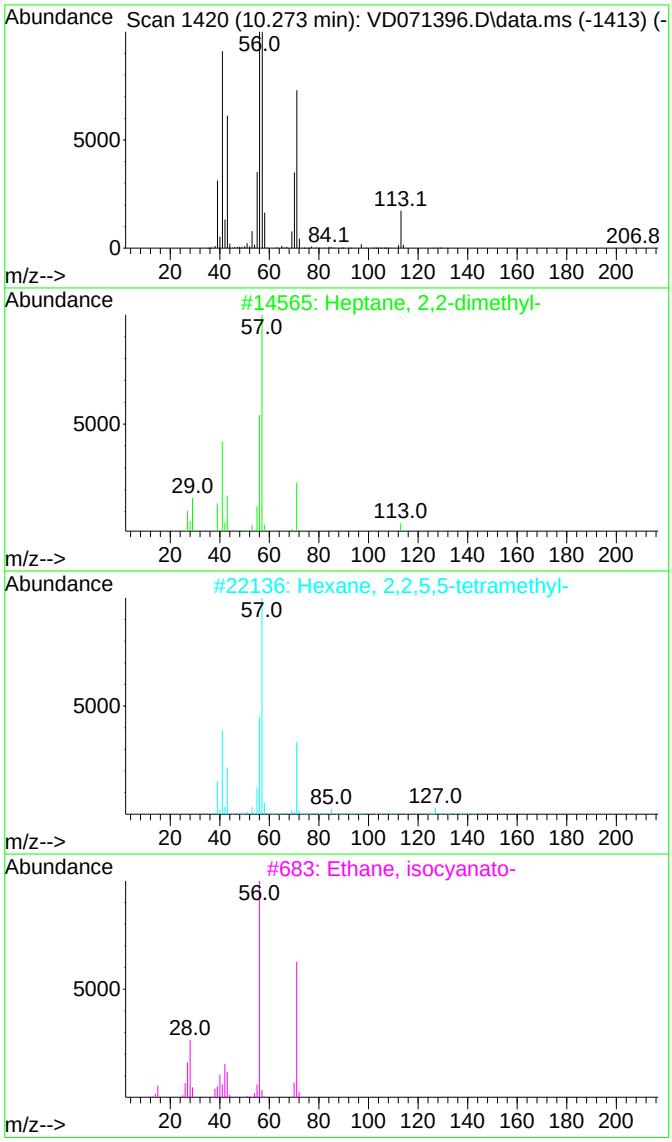
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

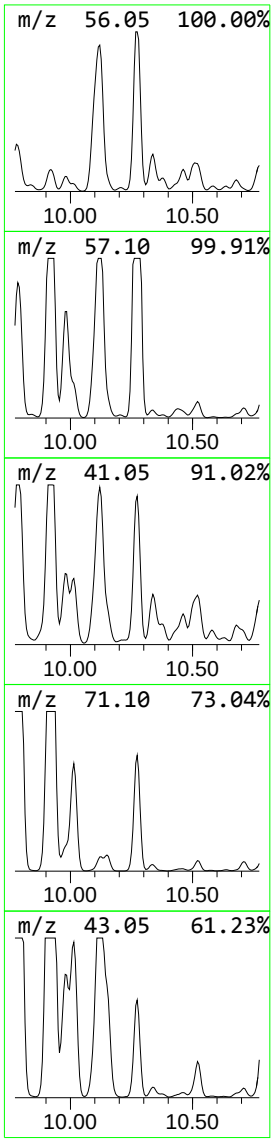
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Heptane, 2,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.273	138.14 ug/l	108682000	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53
3	Ethane, isocyanato-	71	C3H5NO	000109-90-0	53
4	2-Methylcyclohexylamine	113	C7H15N	007003-32-9	47
5	Pentanal, 3-methyl-	100	C6H12O	015877-57-3	47





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Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

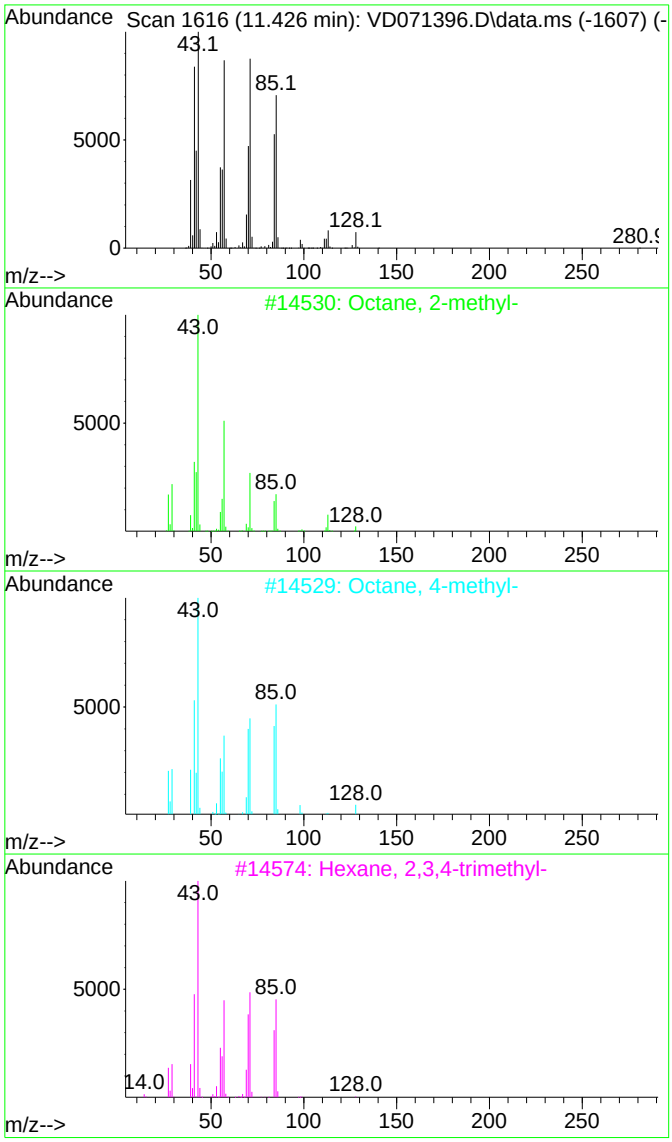
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

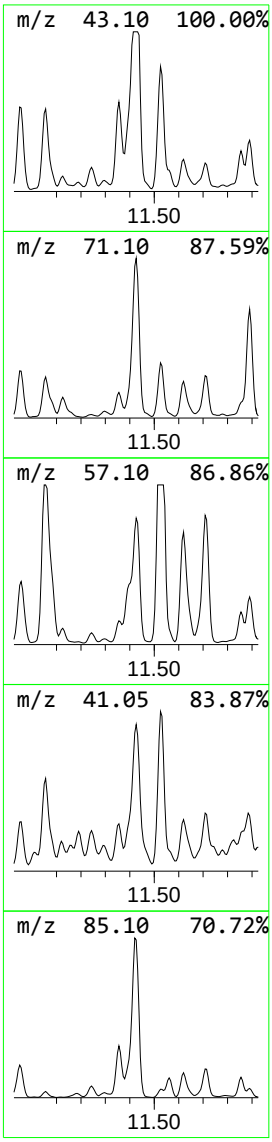
****

Peak Number 7 Octane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.426	201.81 ug/l	158774000	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	64
2	Octane, 4-methyl-	128	C9H20	002216-34-4	58
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
4	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	43
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	43





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Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

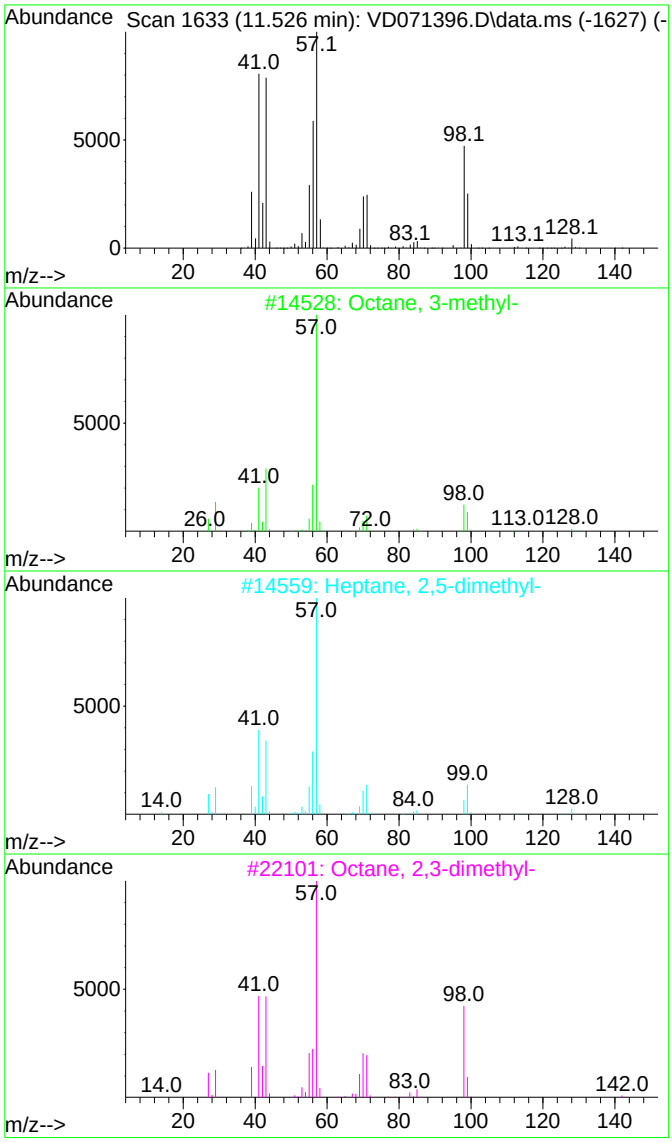
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

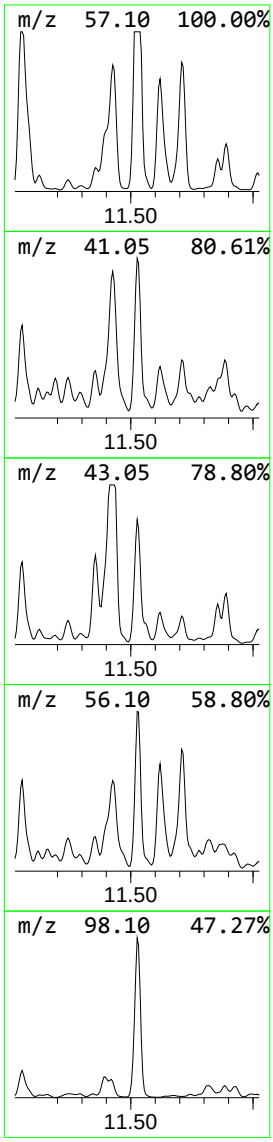
****

Peak Number 8 Octane, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.526	127.96 ug/l	100671000	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	72
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	60
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	59
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	50
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47





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Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

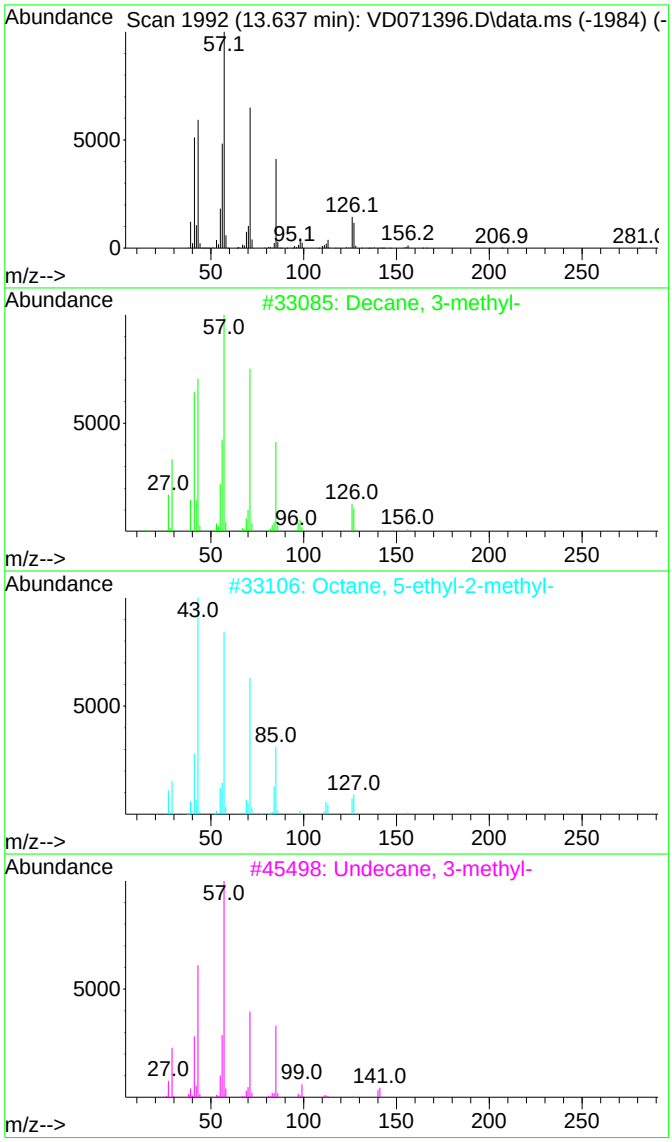
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

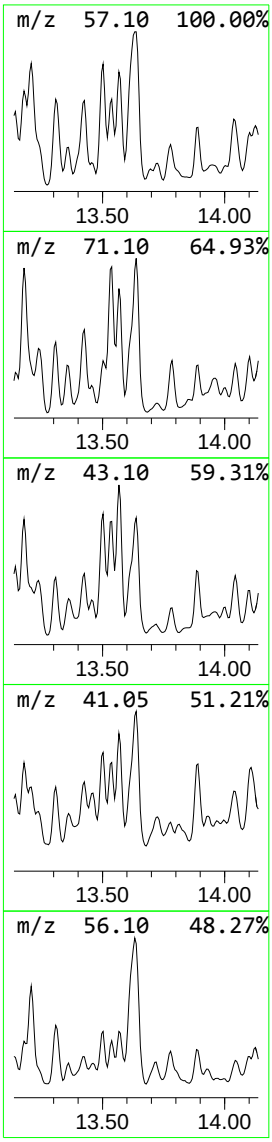
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Decane, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.637	117.40 ug/l	96447300	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	87
2	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	64
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	53
4	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	53
5	1-Iodoundecane	282	C11H23I	004282-44-4	50





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Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

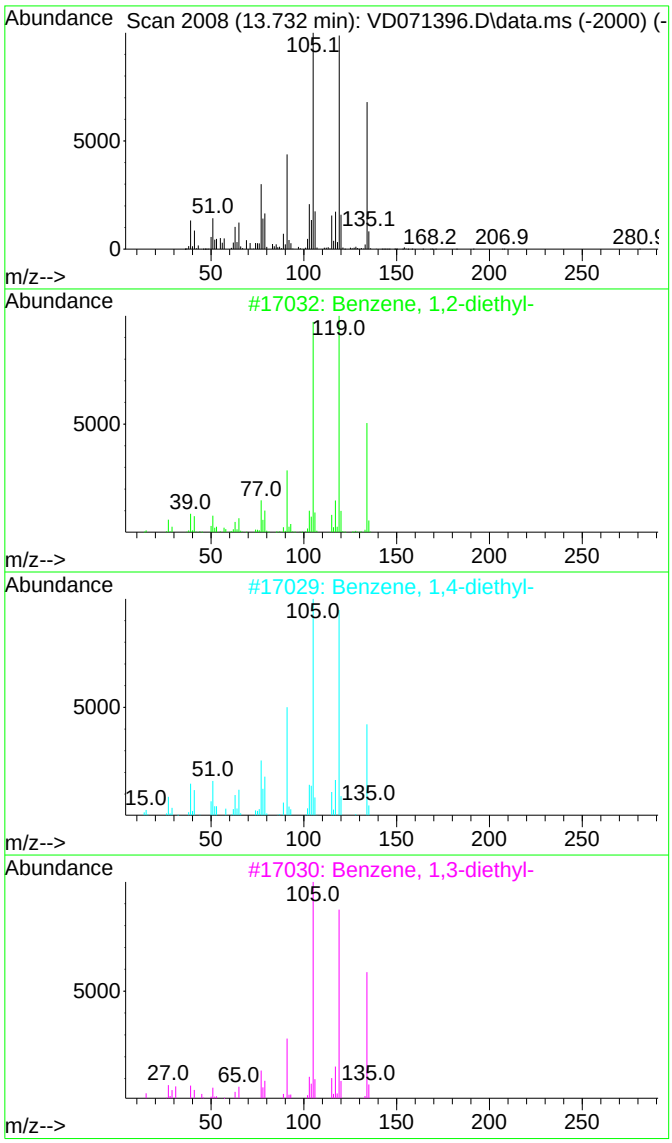
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

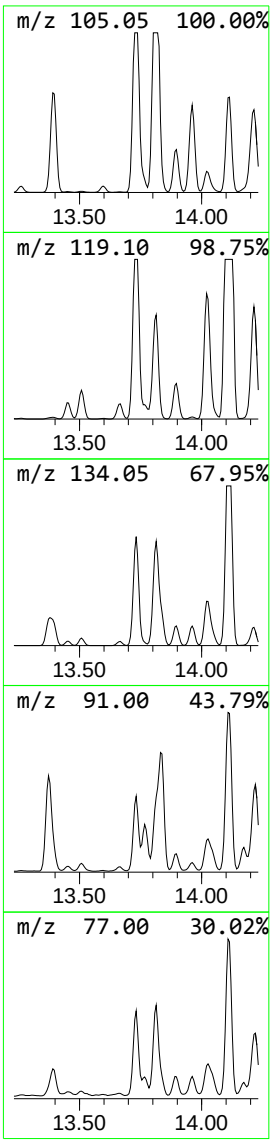
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,2-diethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.732	124.01 ug/l	101878000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
5	o-Cymene	134	C10H14	000527-84-4	68





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Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

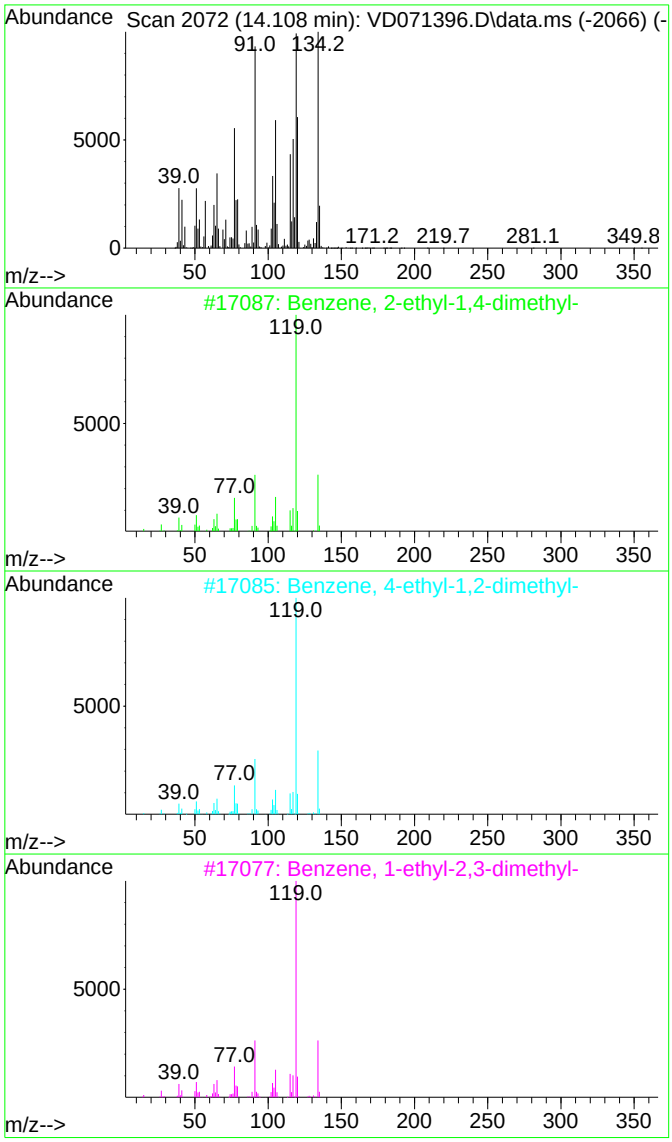
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

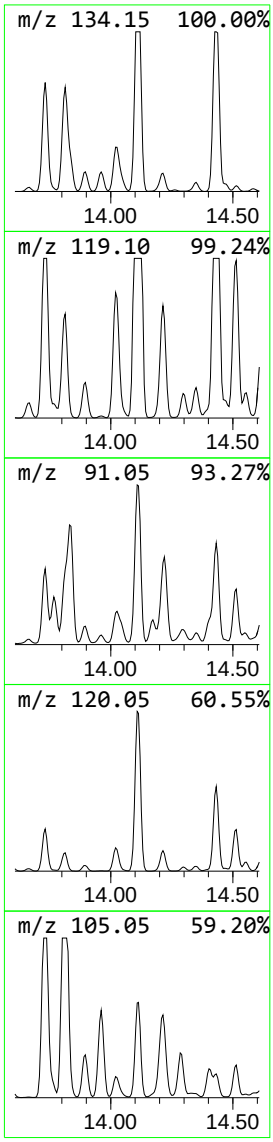
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.108	230.51 ug/l	189376000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	68
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

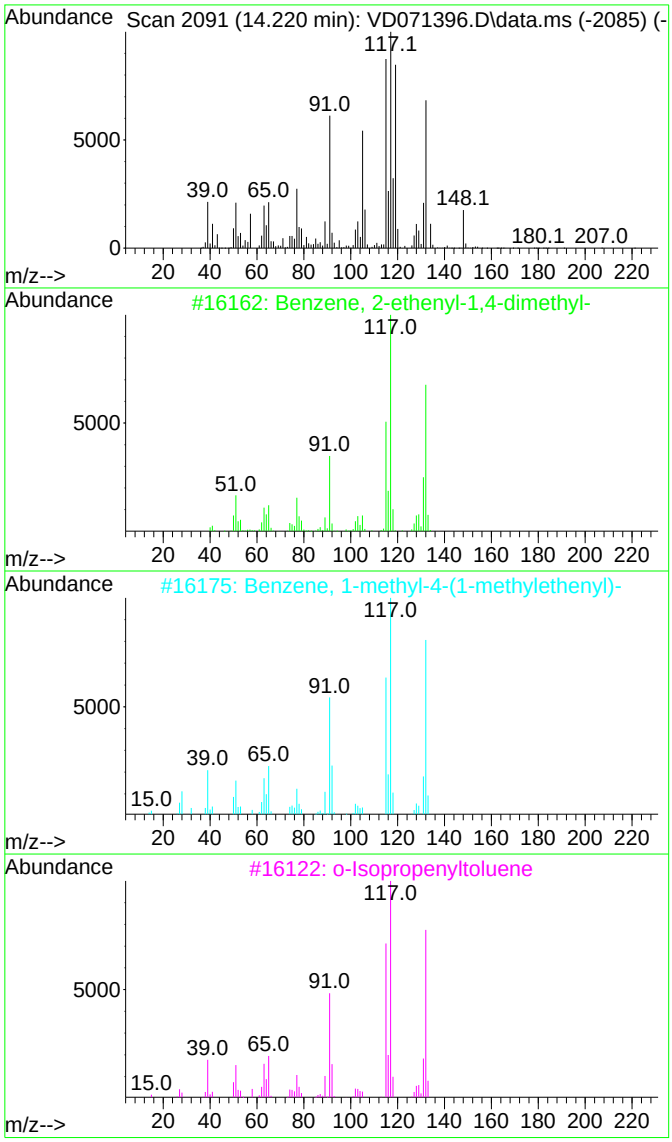
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

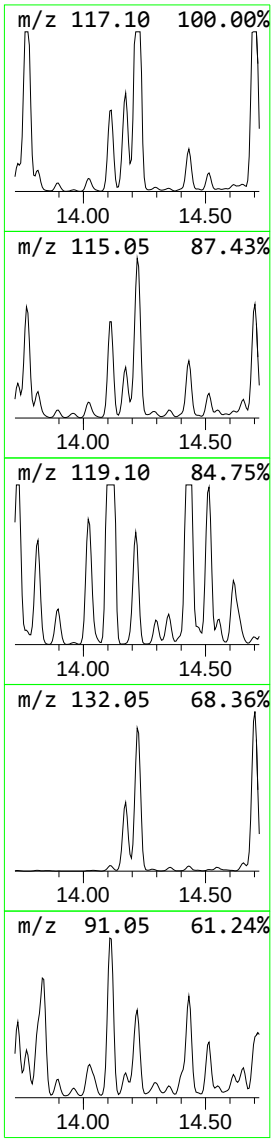
****

Peak Number 12 o-Isopropenyltoluene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.220	149.18 ug/l	122561000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	83
3	o-Isopropenyltoluene	132	C10H12	007399-49-7	60
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	55
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	55





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Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

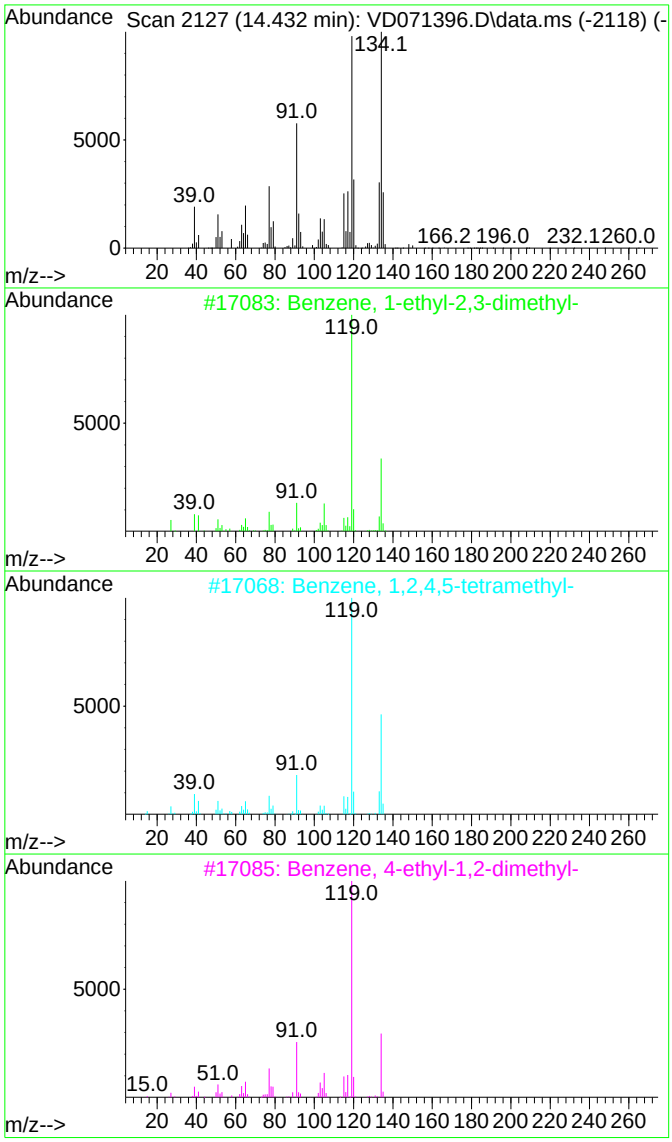
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

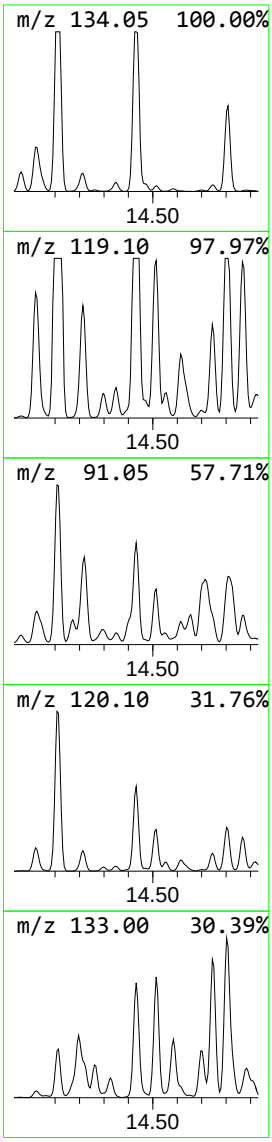
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.432	227.90 ug/l	187228000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	58
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	58





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Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

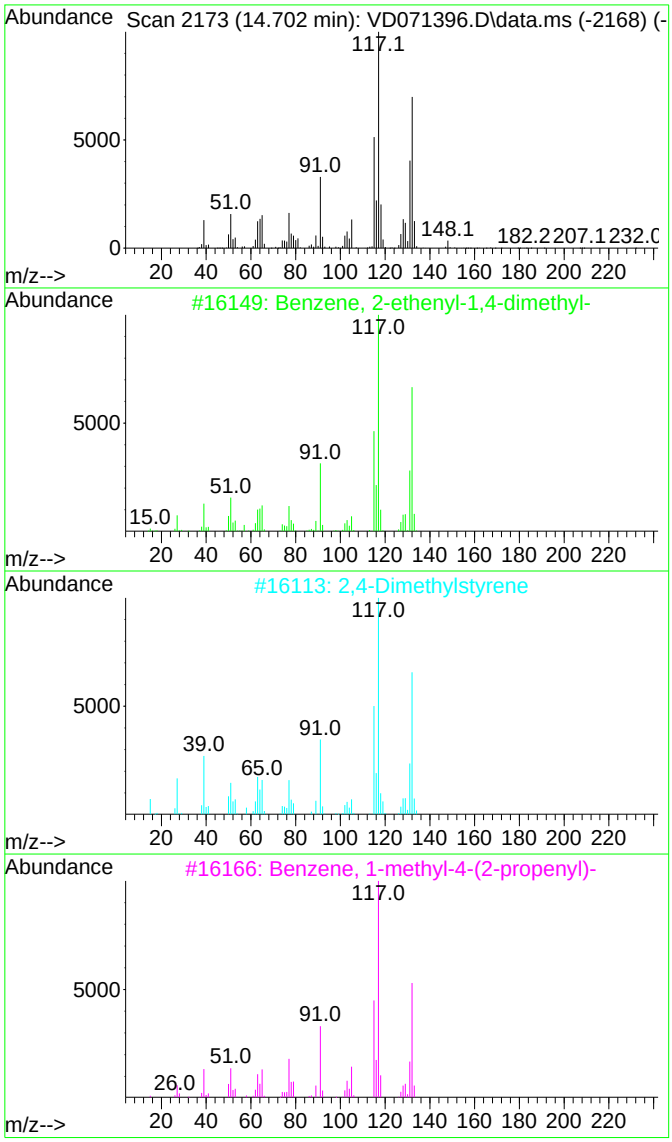
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

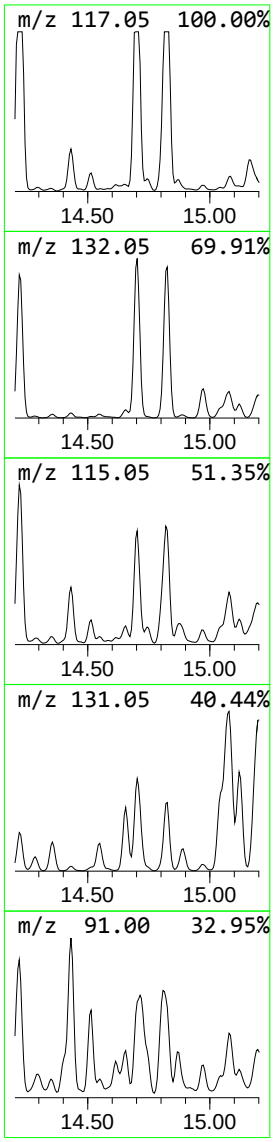
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.702	112.01 ug/l	92024300	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	83
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

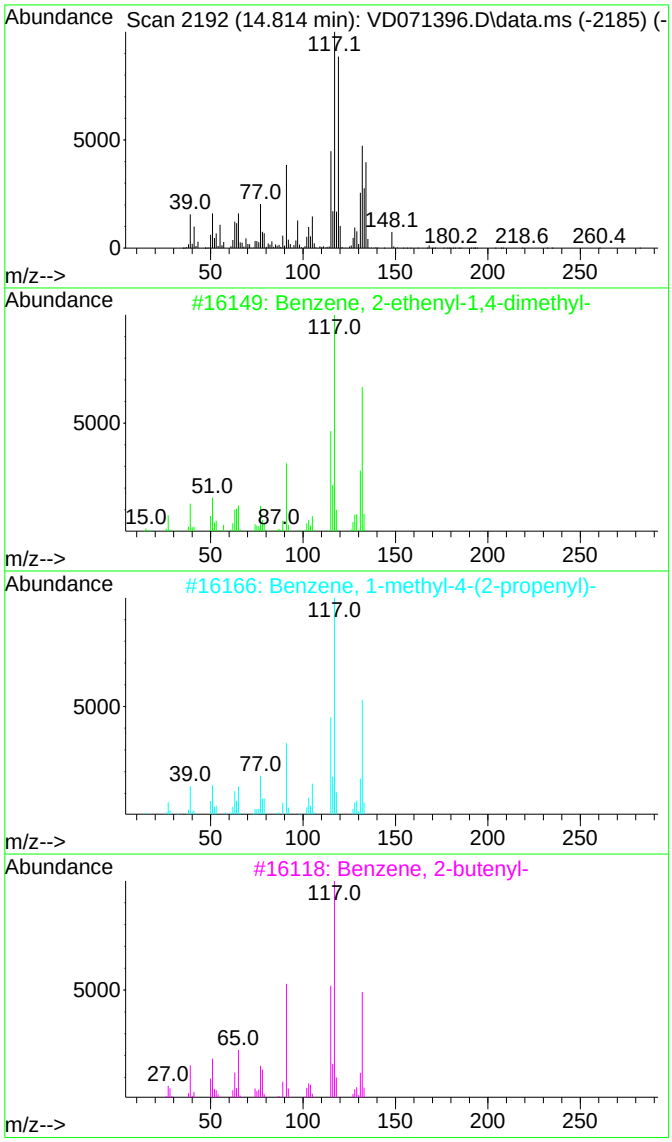
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

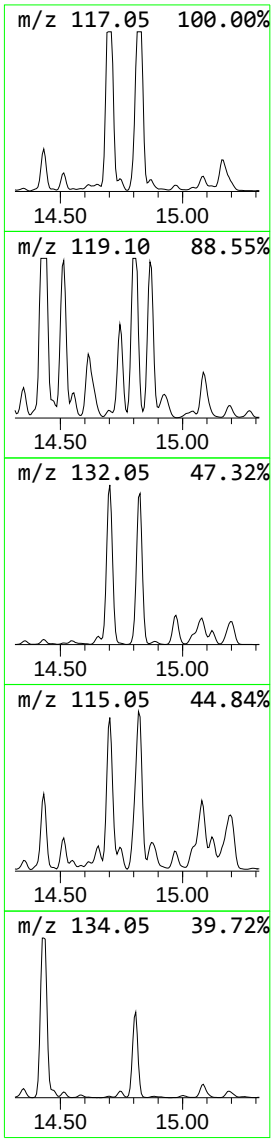
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1-methyl-4-(2-prop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.814	200.48 ug/l	164699000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	89
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	89
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	89
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
Data File : VD071396.D
Acq On : 20 Dec 2021 18:47
Operator : VA/SY
Sample : M5044-18
Misc : 6.62G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-18-5.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Hexane, 2,4-dim...	9.414	147.8	ug/l	109192000	2	8.861	36936400	50.0
Urea, 1-methylc...	9.785	283.8	ug/l	209676000	2	8.861	36936400	50.0
Pentane, 3-ethy...	9.920	359.0	ug/l	265230000	2	8.861	36936400	50.0
Heptane, 3-methyl-	10.120	249.8	ug/l	184554000	2	8.861	36936400	50.0
Heptane, 2,2-di...	10.273	138.1	ug/l	108682000	3	11.638	39338300	50.0
Octane, 2-methyl-	11.426	201.8	ug/l	158774000	3	11.638	39338300	50.0
Octane, 3-methyl-	11.526	128.0	ug/l	100671000	3	11.638	39338300	50.0
Decane, 3-methyl-	13.637	117.4	ug/l	96447300	4	13.567	41077100	50.0
Benzene, 1,2-di...	13.732	124.0	ug/l	101878000	4	13.567	41077100	50.0
Benzene, 2-ethy...	14.108	230.5	ug/l	189376000	4	13.567	41077100	50.0
o-Isopropenylto...	14.220	149.2	ug/l	122561000	4	13.567	41077100	50.0
Benzene, 1-ethy...	14.432	227.9	ug/l	187228000	4	13.567	41077100	50.0
Benzene, 2-ethe...	14.702	112.0	ug/l	92024300	4	13.567	41077100	50.0
Benzene, 1-meth...	14.814	200.5	ug/l	164699000	4	13.567	41077100	50.0